Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE_

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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No. First Inventor		1776.0010001						
		Elie AYACHE						
Title	System, Meth of Lattices in	System, Method, and Computer Program Product for Use of Lattices in Valuing Options						
Express	Mail Label No.							

APPLICATION ELEMENTS See MPEP chapter 600 concerning unlity patent application contents	Assistant Commissioner for Patents Box Patent Application Washington, DC 20231								
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) 2. Applicant claims small entity status.	 CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) 								
See 37 CFR 1.27. 3. Specification [Total Pages 79] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications	a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies), or ii. paper								
- Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS								
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 9]	9. Assignment Papers (cover sheet & document(s))								
5. Oath or Declaration [Total Pages]	10.								
a. 🛚 Newly executed (facsimile copy of original)	(when there is an assignee) 11								
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations								
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)	13. Preliminary Amendment								
named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)								
6. Application Data Sheet. See 37 CFR 1.76.	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)								
	16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.								
	17. Other: Authorization under 37 C.F.R. § 1.136(a)(3)								
	Other: The name of the assignee is:								
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1 76 Continuation Divisional Continuation-in-Part (CIP) of prior application No:/									
relied upon when a portion has been inadvertently omitted from the submitted	l application parts								
18. CORRESPO	ONDENCE ADDRESS								
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Customer No. 26111 (Insert Customer No. or At	tach bar code label here)								
NAME STERNE, KESSLER, GOLDSTEIN & FOX P.L.L C. Attorneys at Law									
ADDRESS									
CITY STATE	ZIP CODE								
COUNTRY TELEPHONE	FAX								
NAME (Print/Type) Raymond Hillien	Registration No. (Attorney/Agent) 43,806								
SIGNATURE JAMPA MWL Date 3/19/01									
Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time									

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

(\$) 355.00 TOTAL AMOUNT OF PAYMENT

Complete if Known						
Application Number	To be assigned					
Filing Date	March 19, 2001					
First Named Inventor	Elie AYACHE					
Examiner Name	To be assigned					
Group Art Unit	To be assigned					
Attorney Docket No.	1776 0010001					

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)							
The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to		TIONAL Entity		Entity					
Deposit Account Number 19-0036	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee D	escription	Fee paid		
Deposit Account Name Sterne, Kessler, Goldstein & Fox P.L L C	105	130	205	65	Surcharge - late filing f	ee or oath			
.		50	227	25	Surcharge - late provisiona	l filing fee or cover shee	t I		
Charge Any Additional Fee Required Under 37 CFR §§ 1 16 and 1 17		130	139	130	Non-English specifi				
Applicant claims small entity status See 37 CFR 1.27		2,520	147	2,520	For filing a request fo	r <i>ex parte</i> reexamın	ation		
	112	920*	112	920*	Requesting publication of action	er			
2. Payment Enclosed. Check No.	113	1,840*	113	1,840*	Requesting publication of	action			
☐ Check ☐ Credit card ☐ Money Order ☒ Other* **Charge any deficiencies or credit any overpayments in the fees or fee **Calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.	115	110	215	55	Extension for reply w				
FEE CALCULATION	116	390	216	195	Extension for reply w				
H. BASIC FILING FEE	117	890	217	445	Extension for reply w	sion for reply within third month			
targe Entity Small Entity Fee Fee Fee Fee Description Fee Paid	118	1,390	218	695	Extension for reply w	ithin fourth month			
Code (\$) Code (\$)	128	1,890	228	945	Extension for reply w	ithin fifth month			
301 710 201 355 Utility filing fee \$355.00	_ 119	310	219	155	Notice of Appeal				
106 320 206 160 Design filing fee	120	310	220	155	Filing a brief in suppo				
07 490 207 245 Plant filing fee	121	270	221	135	Request for oral hear				
1408 710 208 355 Reissue filing fee	_ 138	1,510	138	1,510	Petition to institute a public use proceeding		ing		
†14 150 214 75 Provisional filing fee	140	110	240		Petition to revive - un				
SUBTOTAL (1) (\$) 355.00	141	1,240	241	620	Petition to revive - un				
30BTOTAL (1) (\$) 355.00	- 142 143	1,240 440	242		Utility issue fee (or re				
	143	600	243 244		Design issue fee				
	122	130	122	300 130	Plant issue fee				
EXTRA CLAIM FEES Fee from	123	130	123	130	Petitions to the Comr Petitions related to pr		ns		
Extra below Fee Paid	126	180	126	180	·	• •	1		
Total Claims <u>6</u> - 20** = <u>0</u> X = <u>0</u> Indep. Claims <u>2</u> - 3** = <u>0</u> X = <u>0</u>		40	481		Submission of Information Disclosure Stmt Recording each patent assignment per				
Multiple Dependent = 0	146	710	246	355	property (times number of properties) Filing a submission after final rejection				
Large Entity Small Entity Fee Fee Fee Fee Fee Description	149	710	249	355	(37 CFR 1.129(a)) For each additional invention to be examined (37 CFR 1.129(b))				
Code (\$) Code (\$) 103 18 203 9 Clarms in excess of 20	179	710	279	355	Request for Continued Examination (RCE)				
102 80 202 40 Independent claims in excess of 3 104 270 204 135 Multiple dependent claim	169	900	169	900	Request for expedited examination of a design application				
108 80 209 40 **Reissue independent claims over original	Other fee	(specify):			~Fbiogram		 		
patent 110 18 210 9 **Reissue claims in excess of 20 and over original patent	Other fee	Other fee (specify)							
SUBTOTAL (2) (\$) 0	1	*Reduced by Basic Filing Fee Paid							
** or number previously paid, if greater, For Reissues, see above SUBTOTAL (3) (\$)									
SUBMITTED BY Complete (if applicable)									
Name (Print/Type) Raymond Millen		Registration No (Attorney/Agent) 43,806				Telephone	202-371-2600		
Signature Pays Date						Date	3/19/01		

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**REGISTERED PATENT AGENT
***SENIOR COUNSEL

March 19, 2001

WRITER'S DIRECT NUMBER: (202) 789-5506 INTERNET ADDRESS: RMILLIEN@SKGF.COM

Commissioner for Patents Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To be assigned; Filed: March 19, 2001

For: System, Method, and Computer Program Product for Use of Lattices

in Valuing Options

Inventor:

Elie Ayache

Our Ref:

1776.0010001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17) (in duplicate);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

System, Method, and Computer Program Product for Use of Lattices in Valuing Options

and naming as inventor:

Elie Ayache

the application consisting of:

Commissioner for Patents March 19, 2001 Page 2

- a. A specification containing:
 - i. <u>58</u> pages of description prior to the claims;
 - ii. <u>18</u> pages of Appendix A prior to the claims;
 - iii. 2 pages of claims (<u>6</u> claims);
 - iv. a one (1) page abstract;
- b. Nine (9) sheets of drawings: (Figures 1-16);
- c. A facsimile copy of the originally executed Declaration;
- d. Our check No. <u>30698</u> for \$355.00 to cover:

\$355.00 filing fee for patent application;

- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (in duplicate); and
- 5. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Raymond Millien Attorney for Applicant Registration No. 43,806